MANAV DIXIT

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EDUCATION

Tatvagnaan Vidyapeeth - School of Philosophy   **2024 - 2026**
Postgraduate Study   *Mumbai, India*
- Highly selective (5% acceptance rate), two-year immersive study and community living, aimed at character development: emotional intelligence, cross-cultural understanding, effective team collaboration, and time management.

University of California, San Diego   **2020 - 2024**
B.S. Data Science, Specialization in AI/ML, GPA: 3.8/4.0   *La Jolla, CA*

PROFESSIONAL EXPERIENCE

Finance Billing Specialist   **Mar. 2023 – Jun. 2024**
UCSD Business and Financial Services   *La Jolla, CA*
- Managed financial reports and projects using Microsoft Excel to ensure data accuracy for transactions valued >1M.
- Processed accounts receivable transactions and maintained a detailed collection log to provide managers with reliable collection reports and statistics.

Data Analyst Intern   **Jun. 2022 – Aug. 2022**
Silicon Valley Bank   *Santa Clara, CA*
- Identified key data issues and verified and extracted data using SQL queries using the Oracle Financial Services Analytical Application (OFSAA) used for Know Your Client (KYC) risk assessments and Case Management for KYC, Anti-Money Laundering (AML), Fraud and Sanctions.
- Created a Python GUI used by 10k+ users to connect to Oracle database, run queries based on user input, and generate a report on showing whether there was a variance in the OFSAA internal load (CSA to FSDM) for specified transactions.

PROJECTS

Identifying High Traffic Population Centers   **Jan. 2024 – Jun. 2024**
Supervised by Dr. Liang Tian, in collaboration with SANDAG   *La Jolla, CA*
- Applied hex-bin clustering and census tract–based aggregation to model areas of dense economic activity.
- Implemented K-means clustering and distance metrics to define approximately 70 activity hubs, grouped by geography.
- Advised SANDAG's future transportation and urban goals by presenting interactive maps and summary statistics.

Clothing Sizes ML Recommender   **Sep. 2022 – Dec. 2022**
- Developed a classification model for degree of proper product fit for customers by scraping customer review data.
- Combined a TF-IDF vectorizer with classification models including Linear SVC, Bagging Classifier, and KNeighbors, resulting in an 80% testing accuracy.

NYPD Police Civilian Complaints Dataset Analysis   **Apr. 2022 – May 2022**
- Analyzed NYPD Civilian complaints dataset to identify police reporting biases, conducting univariate and bivariate analyses to show statistical significance ($p < 0.05$) in disparities in complaint duration across ethnicities.
- Acieved 84% testing accuracy for predicting complainant ethnicity, combining Decision Tree classification, transformers, and GridSearchCV.

TECHNICAL SKILLS

Programming: AWS, Python, Java, R, SQL, MATLAB, Tableau
Software: Sklearn, Tkinter, Pandas, NumPy, Jax, Microsoft Office Suite

LEADERSHIP & SERVICES

Vice President of Student Administration   **Oct. 2020 – Jun. 2024**
UCSD Muir College Council   *La Jolla, CA*
- Maintain public records of all council activities, including meeting minutes, member attendance, and new legislation.
- Record accurate count of weekly council reports of 30 council members and other open sessions of council.

Vice President of Finance   **Jun. 2023 – Jun. 2024**
TamashaSD   *La Jolla, CA*
- Managed a $40,000 budget for two national culture-based dance competitions.
- Generated revenue >$60,000 through sales strategies, team management, and marketing campaigns.
- End-to-end execution of five weekend-long events, ensuring seamless execution with 92% participant satisfaction.

Museum Presenter – Volunteer   **Mar. 2021 – Aug. 2022**
The Tech Interactive Museum   *San Jose, CA*
- Presented tech and engineering exhibits, where thousands of children from grades K-12, along with adults, interacted with experimental systems.
- Organized annual physics competition for high school students, covering logistics such as materials, sign ups, and budget.